



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TREATMENT OF SPONDYLOARTHROPATHIES USING TNF $\alpha$  INHIBITORS**

the specification of which was filed on July 18, 2003 as Application No. 10/623039.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at **Lahive & Cockfield, LLP**, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

**FOREIGN PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

☒ no such foreign applications have been filed

☐ such foreign application have been filed as follows:

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
			____ Yes No ____
			____ Yes No ____
			____ Yes No ____

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(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

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**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS**

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60/417490	October 10, 2002	<u>  x  </u> Yes No ____
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DeAnn F. Smith	36,683	Theodore R. West	47,202	John D. Lanza	40,060

\* Limited Recognition Under 37 C.F.R. § 10.9(b)

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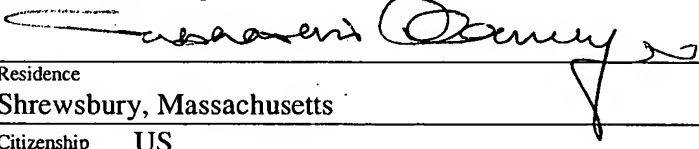
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Send Correspondence to Elizabeth A. Hanley, Esq. at **Customer Number: 00959** whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

Elizabeth A. Hanley, Esq., (617) 227-7400

Full name of first inventor <b>Subhashis Banerjee</b>	
Sole or first inventor's signature 	Date <b>11-15-04</b>
Residence <b>Shrewsbury, Massachusetts</b>	
Citizenship <b>US</b>	
Mailing Address  <b>35 Hapgood Way Shrewsbury, Massachusetts 01545</b>	

Full name of second inventor <b>Lori K. Taylor</b>	
Second inventor's signature	Date
Residence <b>Wadsworth, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address  <b>14576 West Crabapple Drive Wadsworth, Illinois 60083</b>	

Full name of third inventor <b>Clive E. Spiegler</b>	
Third inventor's signature	Date
Residence <b>Reading, Berrkshire, United Kingdom</b>	
Citizenship <b>US</b>	
Mailing Address <b>70 Peppard Road Emmer Green Reading Berkshire; RG4 8TL; UNITED KINGDOM</b>	

Full name of fourth inventor <b>Daniel Edward Tracey</b>	
Fourth inventor's signature	Date
Residence <b>Harvard, Massachusetts</b>	
Citizenship <b>US</b>	
Mailing Address  <b>149 Shaker Road Harvard, Massachusetts 01451</b>	

Full name of fifth inventor <b>Elliot K. Chartash</b>	
Fifth inventor's signature	Date
Residence <b>Randolph, New Jersey</b>	
Citizenship <b>US</b>	
Mailing Address  <b>28 Edinburgh Drive Randolph, New Jersey 07869</b>	

Full name of sixth inventor <b>Rebecca S. Hoffman</b>	
Sixth inventor's signature	Date
Residence <b>Wilmette, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address  <b>1300 Elmwood Avenue Wilmette, Illinois 60091</b>	

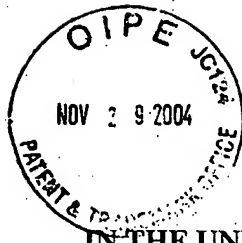
Full name of seventh inventor <b>William T. Barchuk</b>	
Seventh inventor's signature	Date
Residence <b>Madison, New Jersey</b>	
Citizenship <b>US</b>	
Mailing Address  <b>95 Madison Avenue Apt. 1 Madison, New Jersey 07940</b>	

Full name of eighth inventor <b>Philip Yan</b>	
Eighth inventor's signature	Date
Residence <b>Vernon Hills, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address  <b>368 Old Creek Road Vernon Hills, Illinois 60061</b>	

Full name of ninth inventor <b>Anwar Murtaza</b>	
Ninth inventor's signature	Date
Residence <b>Westborough, Massachusetts</b>	
Citizenship <b>India</b>	
Mailing Address  <b>30 Treetop Park Westborough, Massachusetts 01581</b>	

Full name of tenth inventor <b>Jochen G. Salfeld</b>	
Tenth inventor's signature	Date
Residence <b>North Grafton, Massachusetts</b>	
Citizenship <b>Germany</b>	
Mailing Address  <b>177 Old Westboro Road North Grafton, Massachusetts 01536</b>	

Full name of eleventh inventor <b>Steven Fischkoff</b>	
Eleventh inventor's signature	Date
Residence <b>Short Hills, New Jersey</b>	
Citizenship <b>US</b>	
Mailing Address  <b>5 Canoe Brook Road Short Hills, New Jersey 07078</b>	



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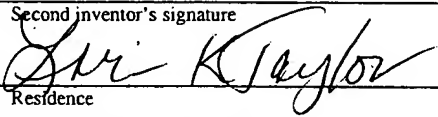
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Second inventor's signature 	Date <b>DEC - 9 2003</b>
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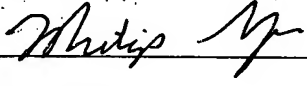
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Third inventor's signature	Date
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Citizenship <b>US</b>	
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Citizenship <b>US</b>	
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Full name of sixth inventor <b>Rebecca S. Hoffman</b>	
Sixth inventor's signature <i>Rebecca S. Hoffman</i>	Date <b>26 Nov 03</b>
Residence <b>Wilmette, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address  <b>1300 Elmwood Avenue Wilmette, Illinois 60091</b>	

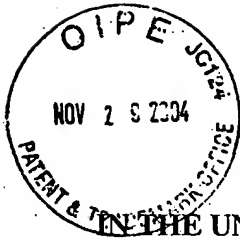
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Seventh inventor's signature	Date
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Citizenship <b>US</b>	
Mailing Address <b>95 Madison Avenue Apt. 1 Madison, New Jersey 07940</b>	

Full name of eighth inventor <b>Philip Yan</b>	
Eighth inventor's signature 	Date <b>Dec. 8, 2013</b>
Residence <b>Vernon Hills, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address <b>368 Old Creek Road Vernon Hills, Illinois 60061</b>	

Full name of ninth inventor <b>Anwar Murtaza</b>	
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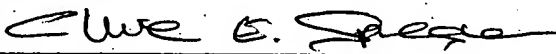
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Direct Telephone Calls to:

Elizabeth A. Hanley, Esq., (617) 227-7400

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Sole or first inventor's signature	Date
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Third inventor's signature 	Date <b>19 FEBRUARY 2004</b>
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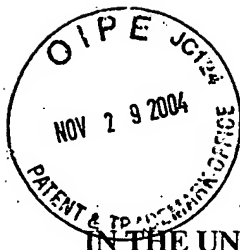
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60/455777	March 18, 2003	<u>  x  </u> Yes No ___

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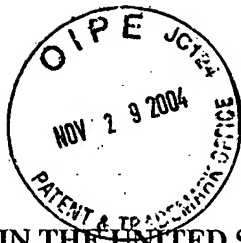
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60/455777	March 18, 2003	<u>  x  </u> Yes No ___

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)**

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

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All practitioners at Customer Number 00959 (listed here):

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\* Limited Recognition Under 37 C.F.R. § 10.9(b)

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and to:

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Direct Telephone Calls to:

Elizabeth A. Hanley, Esq., (617) 227-7400

Full name of first inventor <b>Subhashis Banerjee</b>	
Sole or first inventor's signature	Date
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Citizenship <b>US</b>	
Mailing Address  <b>35 Hapgood Way Shrewsbury, Massachusetts 01545</b>	

Full name of second inventor <b>Lori K. Taylor</b>	
Second inventor's signature	Date
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Citizenship <b>US</b>	
Mailing Address  <b>14576 West Crabapple Drive Wadsworth, Illinois 60083</b>	

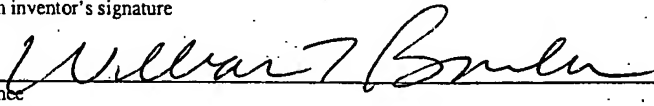
Full name of third inventor <b>Clive E. Spiegler</b>	
Third inventor's signature	Date
Residence <b>Reading, Berrkshire, United Kingdom</b>	
Citizenship <b>US</b>	
Mailing Address <b>70 Peppard Road Emmer Green Reading Berkshire; RG4 8TL; UNITED KINGDOM</b>	

Full name of fourth inventor <b>Daniel Edward Tracey</b>	
Fourth inventor's signature	Date
Residence <b>Harvard, Massachusetts</b>	
Citizenship <b>US</b>	
Mailing Address  <b>149 Shaker Road Harvard, Massachusetts 01451</b>	

Full name of fifth inventor <b>Elliot K. Chartash</b>	
Fifth inventor's signature	Date
Residence <b>Randolph, New Jersey</b>	
Citizenship <b>US</b>	
Mailing Address  <b>28 Edinburgh Drive Randolph, New Jersey 07869</b>	

Full name of sixth inventor <b>Rebecca S. Hoffman</b>	
Sixth inventor's signature	Date
Residence <b>Wilmette, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address  <b>1300 Elmwood Avenue Wilmette, Illinois 60091</b>	



Full name of seventh inventor <b>William T. Barchuk</b>	
Seventh inventor's signature 	Date <b>11/6/03</b>
Residence <b>Madison, New Jersey</b>	
Citizenship <b>US</b>	
Mailing Address <b>95 Madison Avenue Apt. 1 Madison, New Jersey 07940</b>	

Full name of eighth inventor <b>Philip Yan</b>	
Eighth inventor's signature	Date
Residence <b>Vernon Hills, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address <b>368 Old Creek Road Vernon Hills, Illinois 60061</b>	

Full name of ninth inventor <b>Anwar Murtaza</b>	
Ninth inventor's signature	Date
Residence <b>Shrewsbury, Massachusetts</b>	
Citizenship <b>India</b>	
Mailing Address <b>50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545</b>	

Full name of tenth inventor <b>Jochen G. Salfeld</b>	
Tenth inventor's signature	Date
Residence <b>North Grafton, Massachusetts</b>	
Citizenship <b>Germany</b>	
Mailing Address <b>177 Old Westboro Road North Grafton, Massachusetts 01536</b>	

Full name of eleventh inventor <b>Steven Fischkoff</b>	
Eleventh inventor's signature	Date
Residence <b>Short Hills, New Jersey</b>	
Citizenship <b>US</b>	
Mailing Address  <b>5 Canoe Brook Road Short Hills, New Jersey 07078</b>	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TREATMENT OF SPONDYLOARTHROPATHIES USING TNF $\alpha$  INHIBITORS**

the specification of which was filed on July 18, 2003 as Application No. 10/623039.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at **Lahive & Cockfield, LLP**, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

**FOREIGN PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

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☐ such foreign application have been filed as follows:

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
			___ Yes No ___
			___ Yes No ___
			___ Yes No ___

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Application Number	Country	Date of Filing

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS**

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

☐ no such U.S. provisional applications have been filed.

☒ such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
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60/411081	September 16, 2002	<u>  x  </u> Yes No ___
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**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)**

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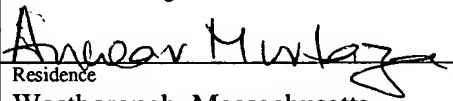
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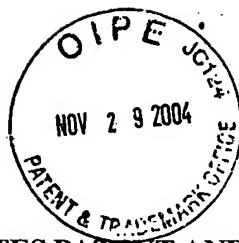
Full name of eighth inventor <b>Philip Yan</b>	
Eighth inventor's signature	Date
Residence <b>Vernon Hills, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address <b>368 Old Creek Road Vernon Hills, Illinois 60061</b>	

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Ninth inventor's signature 	Date <b>11/18/03</b>
Residence <b>Westborough, Massachusetts</b>	
Citizenship <b>India</b>	
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Citizenship <b>Germany</b>	
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Full name of first inventor <b>Subhashis Banerjee</b>	
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Residence <b>Shrewsbury, Massachusetts</b>	
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Full name of second inventor <b>Lori K. Taylor</b>	
Second inventor's signature	Date
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Residence <b>Wilmette, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address  <b>1300 Elmwood Avenue Wilmette, Illinois 60091</b>	

Full name of seventh inventor <b>William T. Barchuk</b>	
Seventh inventor's signature	Date
Residence <b>Madison, New Jersey</b>	
Citizenship <b>US</b>	
Mailing Address <b>95 Madison Avenue Apt. 1 Madison, New Jersey 07940</b>	

Full name of eighth inventor <b>Philip Yan</b>	
Eighth inventor's signature	Date
Residence <b>Vernon Hills, Illinois</b>	
Citizenship <b>US</b>	
Mailing Address <b>368 Old Creek Road Vernon Hills, Illinois 60061</b>	

Full name of ninth inventor <b>Anwar Murtaza</b>	
Ninth inventor's signature	Date
Residence <b>Shrewsbury, Massachusetts</b>	
Citizenship <b>India</b>	
Mailing Address <b>50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545</b>	

Full name of tenth inventor <b>Jochen G. Salfeld</b>	
Tenth inventor's signature	Date <b>11/11/03</b>
Residence <b>North Grafton, Massachusetts</b>	
Citizenship <b>Germany</b>	
Mailing Address <b>177 Old Westboro Road North Grafton, Massachusetts 01536</b>	

Full name of eleventh inventor <b>Steven Fischkoff</b>	
Eleventh inventor's signature	Date
Residence <b>Short Hills, New Jersey</b>	
Citizenship <b>US</b>	
Mailing Address  <b>5 Canoe Brook Road Short Hills, New Jersey 07078</b>	





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TREATMENT OF SPONDYLOARTHROPATHIES USING TNF $\alpha$  INHIBITORS**

the specification of which was filed on July 18, 2003 as Application No. 10/623039.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at **Lahive & Cockfield, LLP**, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

**FOREIGN PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

☒ no such foreign applications have been filed

☐ such foreign application have been filed as follows:

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
			___ Yes No ___
			___ Yes No ___
			___ Yes No ___

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Application Number	Country	Date of Filing

**CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS**

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

☐ no such U.S. provisional applications have been filed.

☒ such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/397275	July 19, 2002	<u> x </u> Yes No ___
60/411081	September 16, 2002	<u> x </u> Yes No ___
60/417490	October 10, 2002	<u> x </u> Yes No ___
60/455777	March 18, 2003	<u> x </u> Yes No ___

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)**

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

☒ no such U.S./PCT applications have been filed.

☐ such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 00959 (listed here):

James E. Cockfield	19,162	Jeanne M. DiGiorgio	41,710	Hathaway P. Russell	46,488
Thomas V. Smurzynski	24,798	Megan E. Williams	43,270	John S. Curran	50,445
Ralph A. Loren	29,325	Jeremiah Lynch	17,425	Lisa M. DiRocco	51,619
Giulio A. DeConti, Jr.	31,503	David J. Rikkers	43,882	Danielle L. Herritt	43,670
Elizabeth A. Hanley	33,505	* Maria Laccotripe Zacharakis, Ph.D.		Cynthia M. Soroos	53,623
Amy E. Mandragouras	36,207	Debra J. Milasincic	46,931	Jonathan M. Sparks, Ph.D.	53,624
Anthony A. Laurentano	38,220	David R. Burns	46,590	Merideth C. Arnold	52,568
Kevin J. Canning	35,470	Sean D. Detweiler	42,482	Peter W. Dini, Ph.D.	52,821
Jane E. Remillard	38,872	Cynthia L. Kanik, Ph.D.	37,320	Andrina Williams Zink	54,539
DeAnn F. Smith	36,683	Theodore R. West	47,202	John D. Lanza	40,060

\* Limited Recognition Under 37 C.F.R. § 10.9(b)

all of **Lahive & Cockfield, LLP**, 28 State Street, Boston, Massachusetts 02109,

and to:

Regina M. Anderson	35,820	Patricia Coleman James	37,155	Lawrence S. Pope	26,791
Cheryl L. Becker	35,441	Gregory W. Steele	33,796	Christopher P. Rogers	36,334
Portia L. Chen,	44,075	David L. Weinstein	28,128	Nicholas A. Poulos	30,209
Dianne Casuto	40,943	Michael J. Ward	37,960	William E. Murray	30,303
Allen W. Wark	30,503	Brian R. Woodworth	33,137	William J. Winter	36,060
Steven R. Crowley	31,604	Steven F. Weinstock	30,117	Nickki L. Parlett	44,996
Andreas M. Danckers	32,652	Michael R. Crabb	37,298	David J. Schodin	41,294
Gregory B. Donner	34,580	Kalim S. Fuzail	45,805	Mimi C. Goller	39,046
Beth A. Vrioni	39,869	Paul D. Yasger	37,477	Thomas D. Brainard	32,459

all of **Abbott Laboratories**, 100 Abbott Park Road, Abbott Park, IL 60064,

and to:

John D. Conway      39,150      Kenneth Zwicker      43,310      Gayle B. O'Brien      48,812  
Tara Seshadri      48,591

all of **Abbott Bioresearch Center**, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to Elizabeth A. Hanley, Esq. at Customer Number: **00959** whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

Elizabeth A. Hanley, Esq., (617) 227-7400

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Second inventor's signature	Date
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Third inventor's signature	Date
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Fourth inventor's signature	Date
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Full name of fifth inventor <b>Elliot K. Chartash</b>	
Fifth inventor's signature	Date
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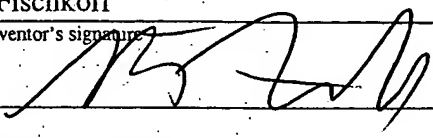
Full name of sixth inventor <b>Rebecca S. Hoffman</b>	
Sixth inventor's signature	Date
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Full name of seventh inventor <b>William T. Barchuk</b>	
Seventh inventor's signature	Date
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Citizenship <b>US</b>	
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Full name of eighth inventor <b>Philip Yan</b>	
Eighth inventor's signature	Date
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Mailing Address  <b>368 Old Creek Road Vernon Hills, Illinois 60061</b>	

Full name of ninth inventor <b>Anwar Murtaza</b>	
Ninth inventor's signature	Date
Residence <b>Shrewsbury, Massachusetts</b>	
Citizenship <b>India</b>	
Mailing Address  <b>50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545</b>	

Full name of tenth inventor <b>Jochen G. Salfeld</b>	
Tenth inventor's signature	Date
Residence <b>North Grafton, Massachusetts</b>	
Citizenship <b>Germany</b>	
Mailing Address  <b>177 Old Westboro Road North Grafton, Massachusetts 01536</b>	

Full name of eleventh inventor Steven Fischkoff	
Eleventh inventor's signature 	Date 4/26/03
Residence Short Hills, New Jersey	
Citizenship US	
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